Classification: Electric Generation Systems Specialist I	**Position No.** 3200-4841-006
CBID: R09	**Office:** Energy Generation Research
Date Prepared: Mary 2019	**Division:** Energy Research and Development
KEY: (E) IS ESSENTIAL, (M) IS MARGINAL	

CONFLICT OF INTEREST STATEMENT

This position is designated under the Conflict of Interest Code: YES ☒ NO ☐

If yes, this position is responsible for making or participating in the making of governmental decisions that may potentially have a material effect on personal financial interests. The appointee is required to complete Form 700 within 30 days of appointment, which identifies pertinent personal financial information.

Under the general supervision of the Energy Resources Specialist III (Supervisory) and the technical lead in the Transportation Program Area in the Energy Generation Research Office, the incumbent serves as part of an interdisciplinary and/or interdivisional team to plan and implement public interest energy research, development and demonstration (RD&D) associated with electric vehicle development and integration with electricity grid and other transportation-related research. Perform time-critical and subject matter-critical technical or market analyses to support public interest energy RD&D funding; to manage complex RD&D projects; and to consult with experts in the field. Address the research issues affecting the design, operation, integration and market deployment of plug-in electric vehicle technologies; assess the ability of advanced electric vehicle technologies and grid integration enabling technologies to be developed and deployed to help meet the state's zero-emission vehicles (ZEV) and greenhouse gas reduction goals; identify methods, models, and techniques to evaluate electricity system impacts of vehicle-grid integration; analyze, evaluate, design and implement alternative transportation technologies; evaluate the economic consequences and impacts to electric utilities and California ratepayers; make recommendations to the Commission for the creation and adoption of Commission policy regarding such technologies and impacts on the transportation and electricity sectors.

DUTIES AND RESPONSIBILITIES:

PERCENTAGE OF TIME PERFORMING DUTIES	**INDICATE THE DUTIES AND RESPONSIBILITIES ASSIGNED TO THE POSITION AND THE PERCENTAGE OF TIME SPENT ON EACH. GROUP RELATED TASKS UNDER THE SAME PERCENTAGE WITH THE HIGHEST PERCENTAGE FIRST; PERCENTAGE MUST TOTAL 100%.**
30%	**Technology Assessment**. Leads the research and development of alternative zero-emission vehicle technologies, vehicle-grid integration strategies, and other transportation technologies; develops engineering and economic studies of alternative electric vehicle technologies; analyzes advanced electric load reducing options and the economic consequences of these options and impacts to the transportation sector, electric utilities, the California Independent System Operator (CAISO) and California ratepayers; uses complex system models to evaluate and assess the performance, reliability, capability and achievable energy and cost savings and emissions reduction resulting from advanced transportation technologies; develops and analyzes impacts of vehicle grid integration, their relationships to residential, commercial, and industrial infrastructure, and their impacts on California's electricity grid; identifies research needs and gaps for plug-in electric vehicles and other alternatives in the transportation sector; analyzes and prepares research initiatives, plans and budgets to identify public interest energy research needs, benefits and impacts to the transportation sector, CAISO, ratepayers, utilities and others. (E)

30%	**Project Management**. Manage complex research projects involving electricity and peak load reduction technologies such as plug-in electric vehicles. Responsible for all phases of project management, such as: a) prepare work statements, budgets, schedules, and contract amendments; b) identify measurable technical and economic objectives to determine project success; c) maintain technical and business relationships with the contractor; d) review monthly progress reports and prepare an evaluation of the project and brief management, as needed; e) inspect projects to ensure they meet technical, fiscal, and administrative objectives; f) review and approve/dispute contractor invoices; g) prepare all documents needed to closeout grants and contracts; and h) update Program Information Management System (PIMs) and other databases. (E)
20%	**Proposal Evaluation**. Participate on technical scoring committees and provide his/her expertise to review proposals to determine how well the project addresses the scope of the solicitation criteria. Examples include the extent the project will: a) advance science or technologies not adequately provided by the regulated and competitive markets, b) project benefits and energy and load reduction savings, c) address market issues and needs and the resulting impact on the marketplace, and d) have a likelihood of success based on adequate project budget and identified staff resources. Prepare written findings of such evaluations for use by the technical scoring committee. (E)
10%	**Research Results Dissemination**. The incumbent oversees the finalization of complex project reports, fact sheets, and other documents to disseminate research results and lessons learned with a focus on transferring information that provides significant public benefits to California and meet the state's energy policies and goals. (E)
5%	**Consult with Stakeholders**. The incumbent may consult with research organizations, federal and state government agencies, utility representatives and other technical experts to identify RD&D opportunities for advanced transportation technologies and to define, develop and implement projects that provide significant public benefits to California and meet the policy and technical objectives of the Energy Commission's RD&D Program. (E)
5%	**Other Duties**. Perform other duties consistent with the specifications of this classification. (M)

WORKING CONDITIONS: The work is performed primarily in an indoor office and meeting room setting involving sitting, standing, and walking as well as sitting for long periods of time. Travel is required to conduct project site visits, attend workshops, hearings and meetings. Additional hours beyond an eight-hour workday or forty-hour workweek may be required. While performing the duties described above, the incumbent will be required to work alone and/or in a team environment; utilize a personal computer and appropriate Energy Commission software such as Microsoft suite of software, electronic mail, Internet and analytical models. The incumbent will be required to plan, organize, assist and/or participate in meetings with other Energy Commission staff, staff from other federal and state agencies, consultants, contractors, and other parties active in energy-related research and development.

SIGNATURES	
I Certify That I Am Able To Perform, With Or Without The Assistance Of A Reasonable Accommodation, The Essential Job Duties Of This Position	
Name Date Electric Generation Systems Specialist I	Rizaldo Aldas Date Energy Resources Specialist III (Supervisory)